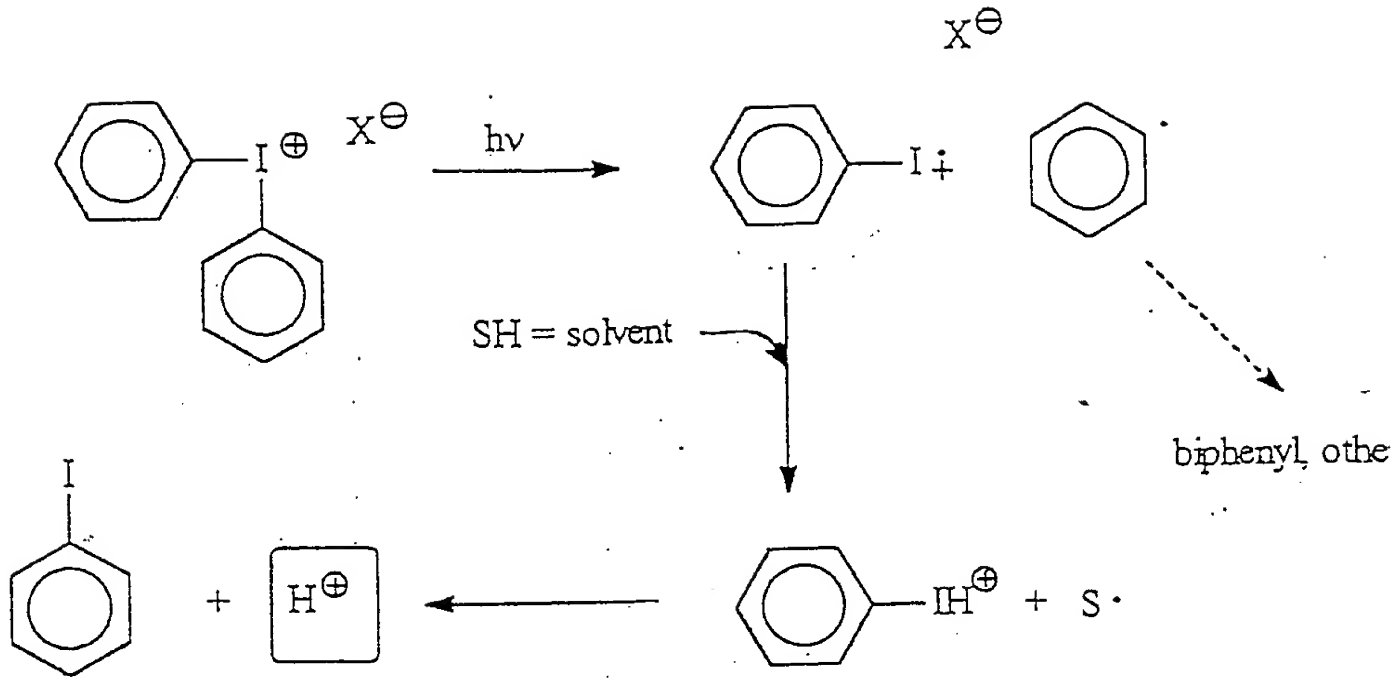


PRIOR ART
FIGURE 1

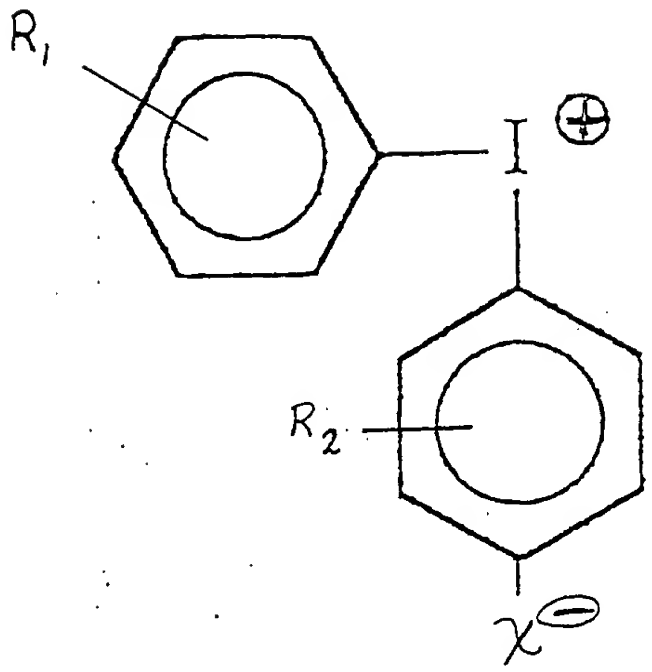


FIGURE 2 A

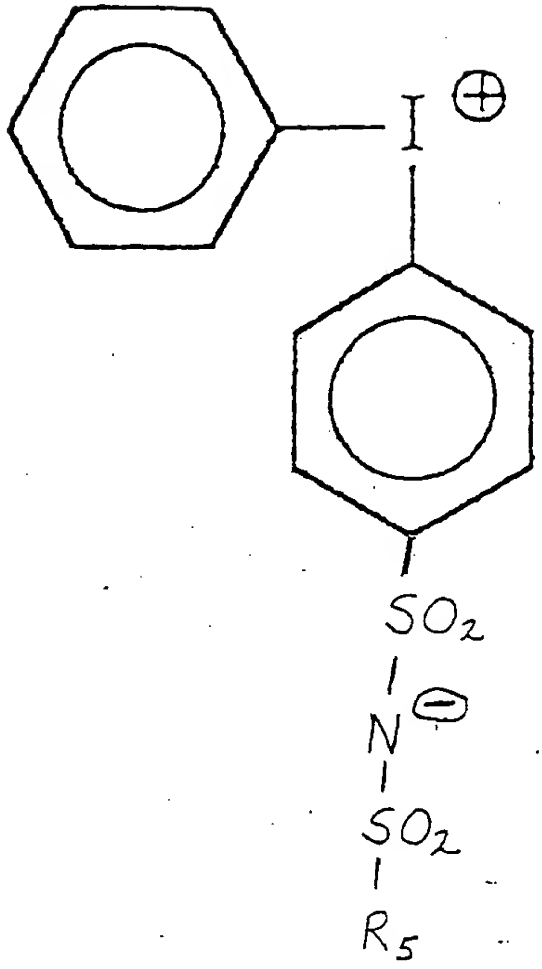


FIGURE 2 B

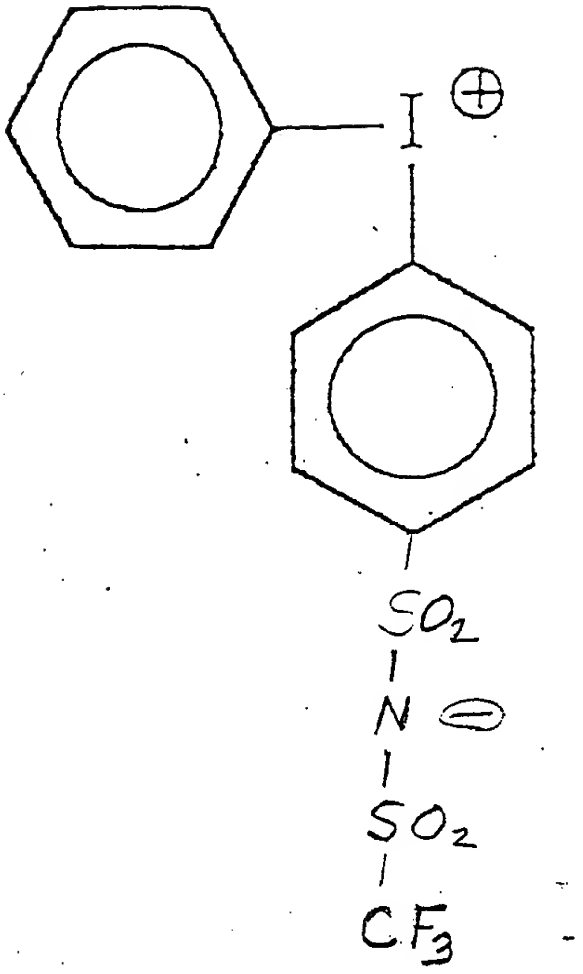


FIGURE 2C

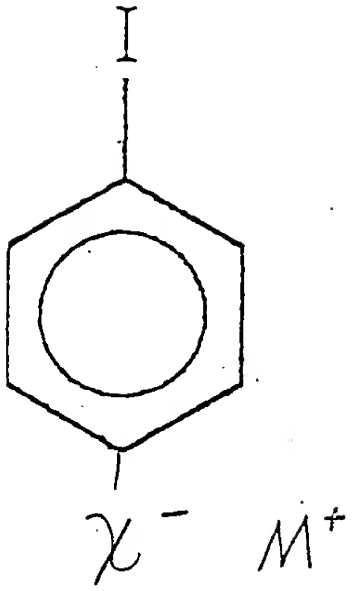


FIGURE 3 A

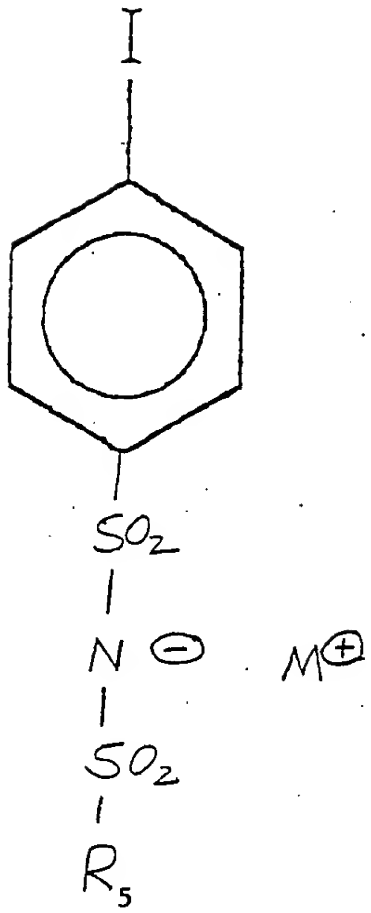


FIGURE 3 B

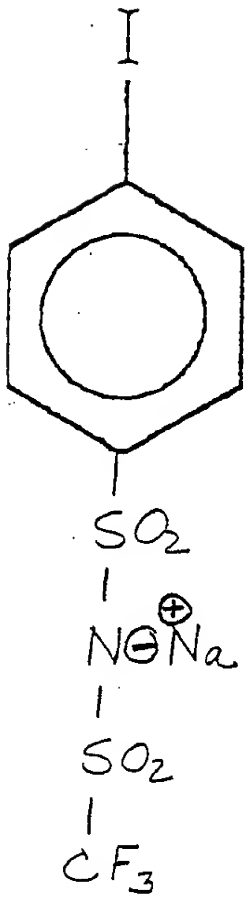


FIGURE 3 C

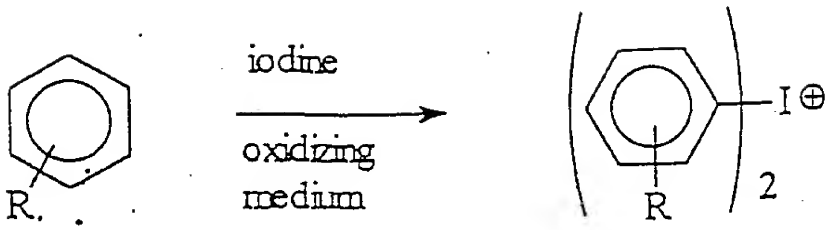


FIGURE 4 A

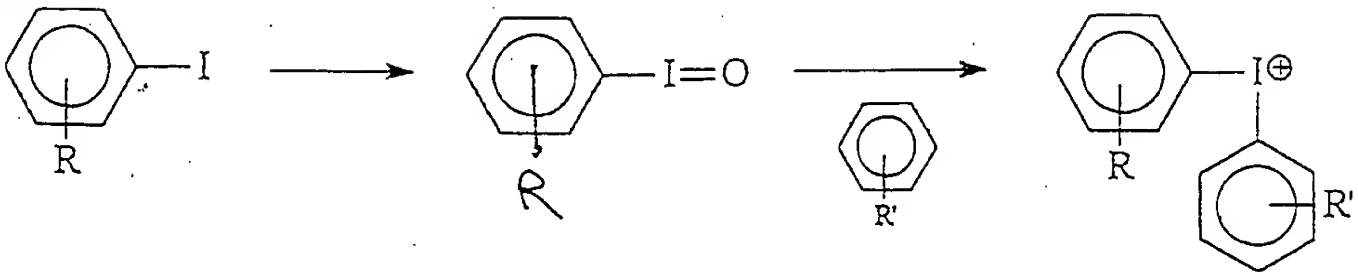


FIGURE 4 B

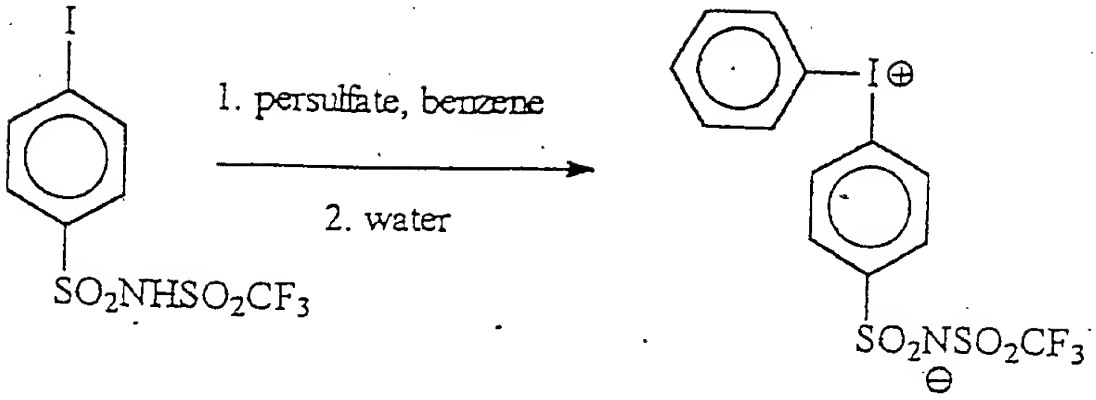

I
1. persulfate, benzene
2. water
$SO_2NHSO_2CF_3$
$I\oplus$
$SO_2NSO_2CF_3$
$\ominus$

FIGURE 5

Figure 6A

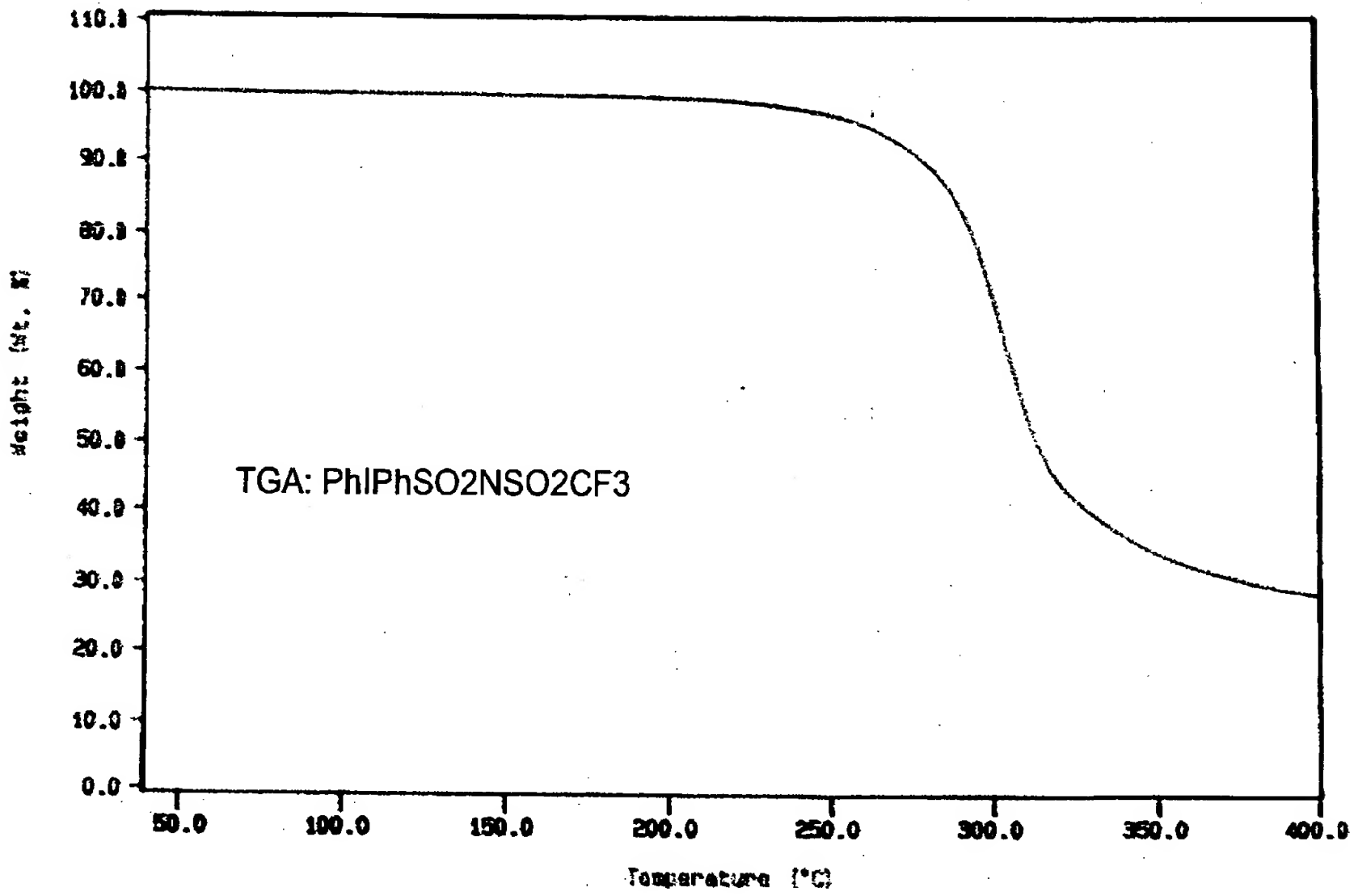

TGA: PhIPhSO2NSO2CF3
110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
Temperature (°C)

Figure 6B

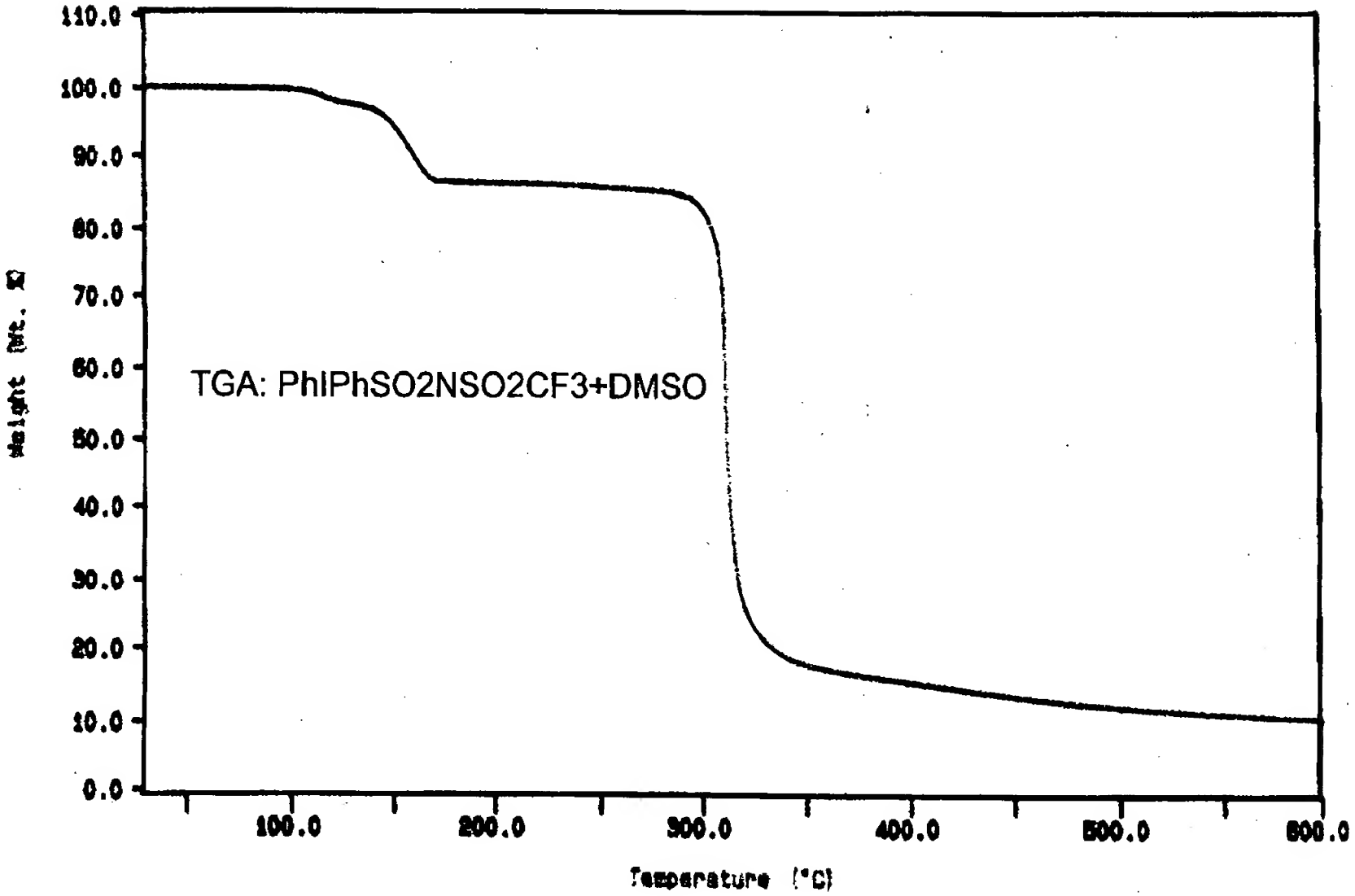
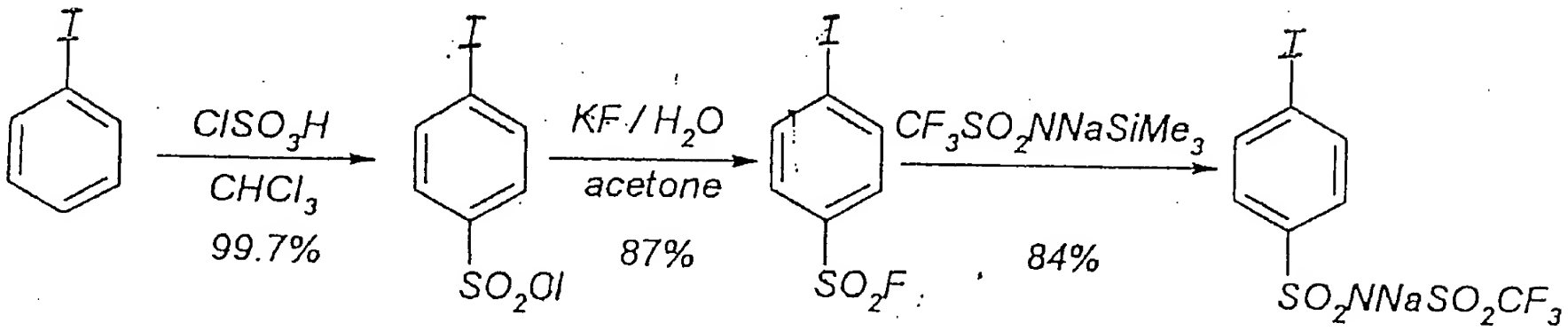

TGA: PhIPhSO2NSO2CF3+DMSO
110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
100.0
200.0
300.0
400.0
500.0
600.0
Temperature (°C)

FIGURE 7


ClSO3H
CHCl3
99.7%
SO2Cl
KF / H2O
acetone
87%
SO2F
CF3SO2NNaSiMe3
84%
SO2NNaSO2CF3

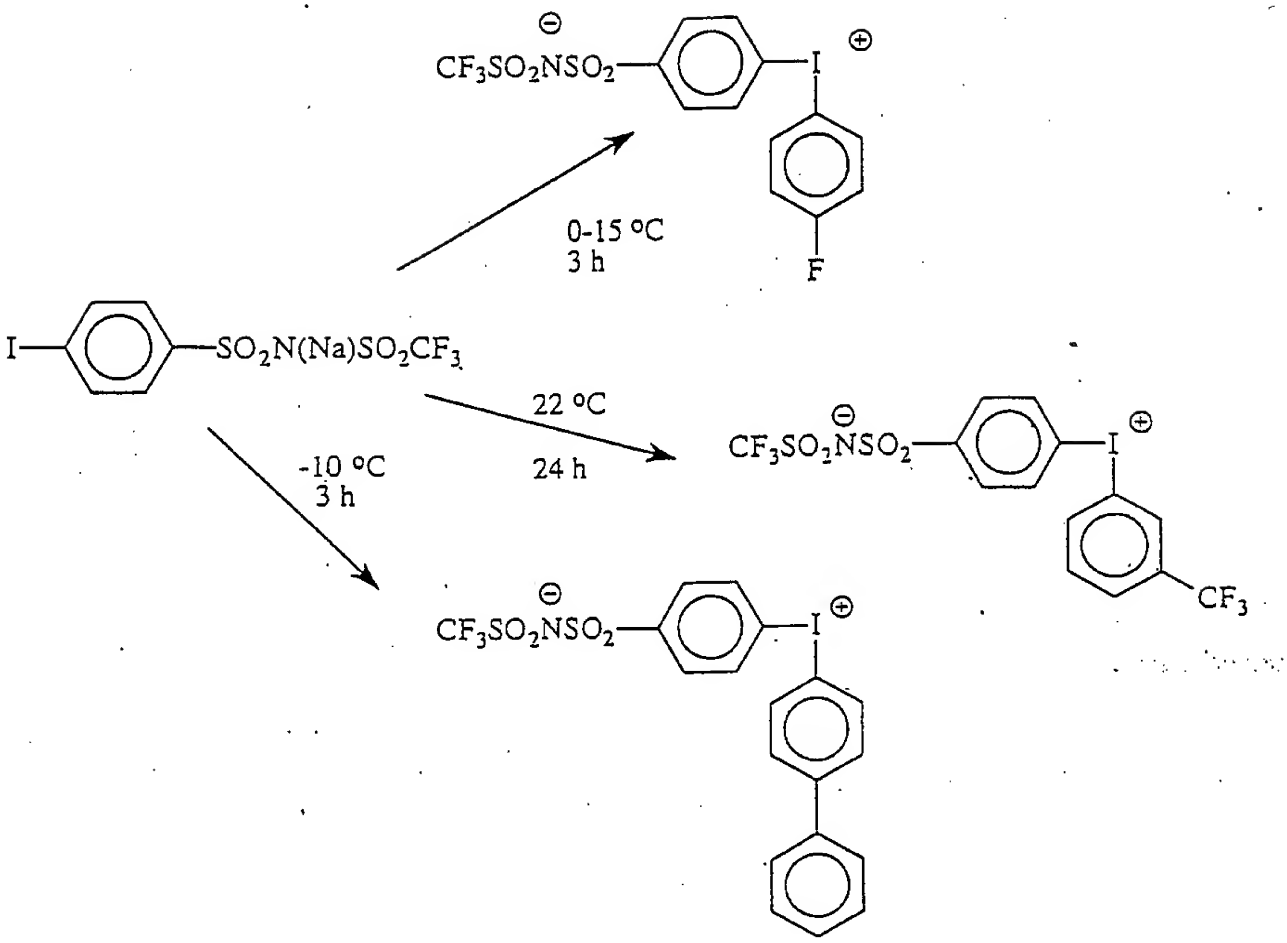

CF3SO2NSO2
I
F
0-15 °C
3 h
I
SO2N(Na)SO2CF3
22 °C
24 h
-10 °C
3 h
CF3SO2NSO2
I
CF3
CF3SO2NSO2
I

FIGURE 8